

## **RELEASE REPORT**

### **October 1 – December 31, 2020**

The Kansas Division of Emergency Management (KDEM), the Kansas Department of Health and Environment (KDHE), and the Kansas Corporation Commission (KCC) are reporting that there were approximately 350 releases reported for the period of October 1 through December 31st, 2020.

Spills are reported to KDEM, KDHE, and the KCC. Each agency has their own requirements and thresholds for reporting spills or releases. Any spill or air release that exceeds the Reportable Quantity (RQ) for a hazardous chemical listed in the Environmental Protection Agency's (EPA'S) SARA Title III List of Lists (LOL) is reportable to KDEM. Any spill or release that involves water or soil is required to be reported to KDHE. Spills or releases at oil and gas exploration and production sites are required to be reported to the KCC.

The counties with the most spills or releases reported are below.

<b>COUNTIES WITH THE MOST RELEASES</b>	
<i>County</i>	<i>Incidents</i>
Wyandotte	15
McPherson	8
Butler	7
Shawnee	7
Johnson	6

The primary sources, primary causes and the number of instances of the releases reported to KDEM and KDHE are shown in the table below. KCC spills are on an oil lease, primarily from lead lines or tanks.

<b>PRIMARY SOURCES</b>		<b>PRIMARY CAUSE</b>	
<i>Source</i>	<i>Number of Incidents</i>	<i>Cause</i>	<i>Number of Incidents</i>
Motor Vehicle/Carrier	46	Equipment Failure	54
Fixed Facility	24	Transportation Accident	26
Pipeline	15	Operator Error	20

The types of chemicals released varied greatly. The most frequently released chemicals reported to KDEM and KDHE are combined with KCC numbers following:

<b>MOST FREQUENTLY RELEASED CHEMICALS FOR KCC</b>	
<i>63 Oil Instances</i>	
<i>73 Salt Water Instances</i>	
<b>MOST FREQUENTLY RELEASED CHEMICALS FOR KDHE AND KDEM</b>	
<i>Commodity</i>	<i>Incidents</i>
Diesel Fuel	29
Hydraulic Oil	14
Electrical Insulating Oil	11
Motor/Lube Oil	7
Natural Gas	6

Although the above table indicates the *frequency* a chemical was released, perhaps the *largest quantity* of a chemical released gives a better picture of the amount of chemicals entering Kansas's air, water and soil.

<b>QUANTITY OF RELEASED CHEMICALS FOR KCC</b>
<b>Oil</b> 217,728 pounds
<b>Salt Water</b> 2,240,808 pounds

<b>LARGEST QUANTITY OF RELEASED CHEMICALS FOR KDHE AND KDEM</b>			
<i>Material</i>	<i>Total (in pounds)</i>	<b>Main Source(s)</b>	<b>Main Cause(s)</b>
<b>Diesel Fuel</b>	67,550	Motor Vehicle/Carrier	Transportation Accident
Hydraulic Oil	1,918	Motor Vehicle/ Carrier	Equipment Failure
Electrical Insulating Oil	2,321	Transformer	Equipment Failure
Motor/Lube Oil	2,076	Rail	Equipment Failure
Natural Gas	66,936	Pipeline	Operator Error